

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1-75 (Canceled)

76. (Currently Amended) A device for sweeping across a substantially horizontal surface, the device comprising:

a push broom having a broom head for sweeping across the horizontal surface and a handle attached thereto for pushing and conducting liquid to the broom head, the broom head comprising a block having a lower surface, the lower surface of the block including a plurality of bristles extending downward therefrom, the block further comprising an upper surface above the lower, a front surface and a back surface;

a spray bar made of a molded plastic material connected to the block, the spray bar comprising a front surface and a back surface, the spray bar extending from a left side of the block to a right side of the block;

a water channel positioned within the spray bar for receiving a flow of the liquid from the handle, the water channel having a front surface;

a plurality of nozzles connected to the water channel ~~spray bar~~ for receiving the liquid and for expelling the liquid under pressure forward and downward ahead of the broom head and the plurality of bristles and onto the horizontal surface, the plurality of nozzles extending from the front surface of the water channel to a distance behind the front surface of the spray bar;

~~a water channel connected to the plurality of nozzles, the water channel formed by a molded plastic material, the water channel positioned within the spray bar, the water channel extending from a left side of the spray bar to a right side of the spray bar, the water channel allowing the liquid to flow from the handle to the plurality of nozzles;~~

a plurality of recesses ~~formed~~ positioned behind the front surface of the spray bar and extending to the front of the plurality of nozzles, wherein each of the plurality of recesses has a diameter greater than each of the plurality of nozzles ~~within the spray bar and connected to the water channel, the plurality of recesses extending from the back surface of the spray bar~~

~~through the front surface of the spray bar, said plurality of nozzles positioned inside the recesses, wherein the tips of the nozzles are slightly behind the openings of the recesses on the front surface of the spray bar; and~~

a valve connected to the handle for regulating the flow of the liquid through the handle.

77. (Previously Presented) The device of claim 76, wherein the plurality of nozzles are made of a molded plastic material.

78. (Previously Presented) The device of claim 76, wherein the water channel structure and the plurality of nozzles are formed as one integrated unit by a molded plastic material.

79. (Currently Amended) The device of claim 76, wherein the plurality of nozzles have an arcuate shape. ~~further comprising a nozzle guard provided on the broom head and positioned forward of a front vertical plane of the plurality of nozzles, the guard positioned from a left side of the broom head to a right side of the broom head for protecting the plurality of nozzles from damage when the broom head is thrust against a substantially vertical surface.~~

80. (Canceled)

81. (Canceled)

82. (Previously Presented) The device of claim 76, wherein the broom handle comprises a grip section that provides an elongated handle section with a first handle diameter that is greater than a second handle diameter of a non-grip section of the broom handle.

83. (Previously Presented) The device of claim 76, further comprising an o-ring seal provided on at least one of the valve, the handle, and the broom head.

84. (Previously Presented) The device of claim 76, further comprising at least one of a quick connector and a snap connector provided on at least one of the valve and the handle, and the broom head.

85. (Currently Amended) A device for sweeping across a substantially horizontal surface, the device comprising:

a push broom having a broom head for sweeping across the horizontal surface and a handle attached thereto for pushing and conducting liquid to the broom head, a broom head component comprising a block having a lower surface, the lower surface of the block including a plurality of bristles extending downward therefrom, the block further comprising an upper surface above the lower surface, a front surface, and a back surface, and a cutout section inset within the block that extends continuously from a left side of the block to a right side of the block;

a removably attachable spray bar, the spray bar comprising a front surface and a back surface, ~~the spray bar further comprising a plurality of nozzles for expelling the liquid under pressure directly forward and downward ahead of the broom head and the plurality of bristles and onto the horizontal surface,~~ wherein the spray bar is substantially sized to fit and positioned within the block cutout section, wherein the spray bar that provides a water channel having a front surface, the water channel connected to the plurality of nozzles, the water channel connected to the spray bar, the water channel extending from a left side of the spray bar to a right side of the spray bar, the water channel receiving allowing a flow of the liquid to flow from the handle to the plurality of nozzles;

a plurality of nozzles connected to the water channel for receiving the liquid and for expelling the liquid under pressure forward and downward ahead of the broom head and the plurality of bristles and onto the horizontal surface, the plurality of nozzles extending from the front surface of the water channel to a distance behind the front surface of the spray bar;

a plurality of recesses formed behind the front surface of the spray bar and extending to the front surface of the plurality of nozzles, wherein each of the plurality of recesses has a diameter greater than each of the plurality of nozzles within the spray bar and connected to the water channel, the plurality of recesses extending from the back surface of the spray bar through the front surface of the spray bar, the plurality of nozzles positioned inside the recesses,

~~wherein the tips of the nozzles are positioned slightly behind the openings of the recesses on the front surface of the spray bar; and~~

a valve connected to the handle for regulating the flow of the liquid through the handle.

86. (Previously Presented) The device of claim 85, wherein the spray bar and the plurality of nozzles are made of a molded plastic material.

87. (Previously Presented) The device of claim 85, wherein the spray bar and the plurality of nozzles are made of a molded plastic material as one integrated unit.

88. (Previously Presented) The device of claim 85, further comprising an o-ring seal provided on at least one of the valve, the handle, the broom head, and the spray bar.

89. (Previously Presented) The device of claim 85, further comprising at least one of a quick connector and a snap connector provided on at least one of the valve and the handle, the broom head, and the spray bar.

90. (Previously Presented) The device of claim 85, wherein the broom handle comprises a grip section that provides an elongated handle section with a first handle diameter that is greater than a second handle diameter of a non-grip section of the broom handle.

91. (Currently Amended) A device for sweeping across a substantially horizontal surface, the device comprising:

a push broom having a broom head for sweeping across the horizontal surface and a handle attached thereto for pushing and conducting liquid to the broom head, the broom head comprising a block with a lower surface, the lower surface including a plurality of bristles extending downward therefrom and an upper surface above the lower surface and a back surface;

a spray bar comprising front, back, rear, top, bottom, left and right planar surfaces attached to the block ~~wherein where~~ the spray bar extends from a left side of the block to a right side of the block, and where the planar surfaces form a water channel for receiving a flow of the

~~liquid from the handle, the spray bar further comprising a plurality of nozzles for expelling the liquid under pressure directly forward and downward ahead of the broom head and the plurality of bristles and onto the horizontal surface, the water channel connected to the plurality of nozzles, the water channel extending from the left planar surface of the spray bar to the right planar surface of the spray bar, the water channel allowing the liquid to flow from the handle to the plurality of nozzles;~~

a plurality of nozzles connected to the water channel for receiving the liquid and for expelling the liquid under pressure forward and downward ahead of the broom head and the plurality of bristles and onto the horizontal surface, the plurality of nozzles extending from the front surface of the water channel to a distance behind the front surface of the spray bar;

~~a plurality of recesses formed behind the front surface of the spray bar and extending to the front of the plurality of nozzles, wherein each of the plurality of recesses has a diameter greater than each of the plurality of nozzles within the spray bar and connected to the water channel, the plurality of recesses extending from the back planar surface of the spray bar through the front surface of the spray bar, the plurality of nozzles positioned inside the recesses, wherein the tips of the nozzles are positioned slightly behind the openings of the recesses on the front surface of the spray bar; and~~

a valve connected to the handle for regulating the flow of the liquid through the handle.

92. (Previously Presented) The device of claim 91, wherein the spray bar and the plurality of nozzles are made of a molded plastic material.

93. (Previously Presented) The device of claim 91, wherein the spray bar and the plurality of nozzles are made of a molded plastic material as one integrated unit.

94. (Previously Presented) The device of claim 91, wherein the front planar surface of the spray bar is at an angle with respect to a front vertical axis of the block.

95. (Currently Amended) The device of claim 91, wherein the plurality of nozzles have an arcuate shape. ~~further comprising a nozzle guard provided on the broom head and~~

~~positioned forward of a front vertical plane of the plurality of nozzles, the guard positioned from a left side of the broom head to a right side of the broom head for protecting the plurality of nozzles from damage when the broom head is thrust against a substantially vertical surface.~~

96. (Previously Presented) The device of claim 91, wherein the spray bar is positioned on the top of the block.

97. (Currently Amended) A device for sweeping across a substantially horizontal surface, the device comprising:

a push broom having a broom head for sweeping across the horizontal surface and a handle attached thereto for pushing and conducting liquid to the broom head, the broom head comprising a block with a lower surface, the lower surface including a plurality of bristles extending downward therefrom, the broom head further comprising an upper surface above the lower surface and a back surface;

a spray bar made of a molded plastic material connected to the block, the spray bar comprising a front surface and a back surface, the spray bar extending from a left side of the block to a right side of the block;

a water channel positioned within the spray bar for allowing the liquid to flow from the handle, the water channel having a front surface;

a plurality of nozzles connected to the water channel ~~spray bar~~ for receiving a flow of the liquid from the handle and for expelling the liquid under pressure forward and downward ahead of the broom head and the plurality of bristles and onto the horizontal surface, the plurality of nozzles extending from the front surface of the water channel to a distance behind the front surface of the spray bar;

~~a water channel connected to the plurality of nozzles, the water channel formed by a molded plastic material, the water channel positioned on within the spray bar, the water channel extending from a left side of the block to a right side of the spray bar, the water channel allowing for the liquid to flow from the handle to the plurality of nozzles;~~

a plurality of recesses formed behind the front surface of the spray bar and extending to the front of the plurality of nozzles, wherein each of the plurality of recesses have a diameter greater than each of the plurality of nozzles ~~within the spray bar and connected to the~~

~~water channel, the plurality of recesses extending from the back surface of the spray bar to a front surface of the spray bar, the plurality of nozzles positioned inside the recesses, wherein the tips of the nozzles are positioned slightly behind the openings of the recesses on the front surface of the spray bar;~~

an assembly comprising a liquid ~~fluid~~ pump and a gasoline engine that is mounted to the broom handle;

an engine control connected to the handle for regulating the gasoline engine; and

a valve control connected to the handle for regulating the flow of the liquid through the handle.

98. (Previously Presented) The device of claim 97, wherein a valve is positioned on the handle, wherein the valve is operated by the valve control.

99. (Previously Presented) The device of claim 97, wherein a valve is positioned on the assembly, wherein the valve is operated by the valve control.

100. (Canceled)

101. (Canceled)

102. (Canceled)

103. (Currently Amended) A device for sweeping across a substantially horizontal surface, the device comprising:

a push broom having a broom head for sweeping across the horizontal surface and a handle attached thereto for pushing and conducting liquid to the broom head, the broom head comprising a block with a lower surface, the lower surface including a plurality of bristles extending downward therefrom, the broom head further comprising an upper surface above the lower surface and a back surface;

a spray bar made of a molded plastic material connected to the block, the spray bar comprising a front surface and a back surface, the spray bar extending from a left side of the block to a right side of the block;

a water channel positioned within the spray bar for receiving a flow of the liquid from the handle, the water channel having a front surface;

a plurality of nozzles connected to the water channel ~~spray bar~~ for receiving the liquid and for expelling the liquid under pressure forward and downward ahead of the broom head and the plurality of bristles and onto the horizontal surface, the plurality of nozzles extending from the front surface of the water channel to a distance behind the front surface of the spray bar;

~~a water channel connected to the plurality of nozzles, the water channel formed by a molded plastic material, the water channel positioned on within the spray bar, the water channel extending from a left side of the block to a right side of the spray bar, the water channel allowing for the liquid to flow from the handle to the plurality of nozzles;~~

a plurality of recesses formed behind the front surface of the spray bar and extending to the front of the plurality of nozzles, wherein each of the plurality of recesses have a diameter greater than each of the plurality of nozzles ~~within the spray bar and connected to the water channel, the plurality of recesses extending from the back surface of the spray bar to a front surface of the spray bar, the plurality of nozzles positioned inside the recesses, wherein the tips of the nozzles are positioned slightly behind the openings of the recesses on the front surface of the spray bar;~~

a backpack;

an assembly comprising a liquid pump and gasoline engine mounted to the backpack;

a connecting hose for connecting the assembly to the broom handle;

an engine control connected to the handle for regulating the gasoline engine; and

a valve control connected to the handle for regulating the flow of the liquid through the handle.

104. (Previously Presented) The device of claim 103, further comprising a valve positioned on the handle, wherein the valve is operated by the valve control.

105. (Previously Presented) The device of claim 103, further comprising a valve positioned on the assembly, wherein the valve is operated by the valve control.

106. (Canceled)

107. (Canceled)

108. (Previously Presented) The device of claim 91, further comprising an o-ring seal provided on at least one of the valve, the handle, and the broom head.

109. (Previously Presented) The device of claim 91, further comprising at least one of a quick connector and a snap connector provided on at least one of the valve, the handle, and the broom head.

110. (Previously Presented) The device of claim 97, further comprising an o-ring seal provided on at least one of the valve, the handle, and the broom head.

111. (Previously Presented) The device of claim 97, further comprising at least one of a quick connector and a snap connector provided on at least one of the valve, the handle, and the broom head.

112. (Previously Presented) The device of claim 103, further comprising an o-ring seal provided on at least one of the valve, the handle, and the broom head.

113. (Previously Presented) The device of claim 103, further comprising at least one of a quick connector and a snap connector provided on at least one of the valve, the handle, and the broom head.

114. (Previously Presented) The device of claim 97, wherein the plurality of nozzles are made of a molded plastic material.

115. (Previously Presented) The device of claim 97, wherein the water channel structure and the plurality of nozzles are formed as one integrated unit by a molded plastic material.

116. (Previously Presented) The device of claim 103, wherein the plurality of nozzles are made of a molded plastic material.

117. (Previously Presented) The device of claim 103, wherein the water channel structure and the plurality of nozzles are formed as one integrated unit by a molded plastic material.

118. (Previously Presented) The device of claim 85, wherein the plurality of nozzles are connected to the front surface of the spray bar, wherein the front surface of the spray bar is positioned at an angle to a front vertical axis of the block.

119. (Currently Amended) The device of claim 91, wherein the front planar surface of the spray bar is at an angle with respect ~~plurality of nozzles are connected to the front planar surface of the spray bar, wherein the front planar surface of the spray bar is positioned at an angle to a front vertical axis of the block.~~

120. (Previously Presented) The device of claim 97, wherein the water channel structure is made of a molded plastic material.

121. (Previously Presented) The device of claim 103, wherein the water channel structure is made of a molded plastic material.

122. (New) The device of claim 76, wherein the plurality of nozzles have a slotted shape.

123. (New) The device of claim 85, wherein the plurality of nozzles have a slotted shape.

124. (New) The device of claim 85, wherein the plurality of nozzles have an arcuate shape.

125. (New) The device of claim 91, wherein the plurality of nozzles have a slotted shape.